

EXHIBIT "B"

NM_173674 versus Sequence 7
Length = 1768

Score = 3459 bits (1745), Expect = 0.0
Identities = 1751/1753 (99%)
Strand = Plus / Plus

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Query: 224  ggcgaggagctgggtgatggctgtggacacctagtgacttatcaggatagtggcacaat 283
            |||
Sbjct: 1     ggcgaggagctgggtgatggctgtggacacctagtgacttatcaggatagtggcacaat 60

Query: 284  gacatctaagaattatcccgggacctacccaatcacactgtttgcgaaaagacaattac 343
            |||
Sbjct: 61    gacatctaagaattatcccgggacctacccaatcacactgtttgcgaaaagacaattac 120

Query: 344  agtaccaaaggggaaaagactgattctgaggtgggagatttgatcgaatcccagac 403
            |||
Sbjct: 121  agtaccaaaggggaaaagactgattctgaggtgggagatttgatcgaatcccagac 180

Query: 404  ctgtgcttctgactatcttctcttcaccagctcttcagatcaatatggtccatactgtgg 463
            |||
Sbjct: 181  ctgtgcttctgactatcttctcttcaccagctcttcagatcaatatggtccatactgtgg 240

Query: 464  aagtatgactgttcccaaagaactcttgttgaacacaagtgaagtaaccgtccgctttga 523
            |||
Sbjct: 241  aagtatgactgttcccaaagaactcttgttgaacacaagtgaagtaaccgtccgctttga 300

Query: 524  gagtggatcccacatttctggccgggggttttttctgacacatgagcagcgaccatcc 583
            |||
Sbjct: 301  gagtggatcccacatttctggccgggggttttttctgacacatgagcagcgaccatcc 360

Query: 584  agatttaataacatgtttggaacgagctagccattatttgaagacagaatacagcaaatt 643
            |||
Sbjct: 361  agatttaataacatgtttggaacgagctagccattatttgaagacagaatacagcaaatt 420

Query: 644  ctgcccagctggttgtagagacgtagcaggagacatttctgggaatatggtagatggata 703
            |||
Sbjct: 421  ctgcccagctggttgtagagacgtagcaggagacatttctgggaatatggtagatggata 480

Query: 704  tagagatacctctttattgtgcaaagctgccatccatgcaggaataattgctgatgaact 763
            |||
Sbjct: 481  tagagatacctctttattgtgcaaagctgccatccatgcaggaataattgctgatgaact 540

Query: 764  aggtggccagatcagtgcttcagcgcaaagggatcagtcgatatgaagggaattctggc 823
            |||
Sbjct: 541  aggtggccagatcagtgcttcagcgcaaagggatcagtcgatatgaagggaattctggc 600

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Query: 824 caatggtgttctttcgagggatggttcctgtcagacaagcgatttctgtttacctccaa 883
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 Sbjct: 601 caatggtgttctttcgagggatggttcctgtcagacaagcgatttctgtttacctccaa 660

Query: 884 tggttgcagcagatccttgagttttgaacctgacgggcaaatcagagcttcttctcatg 943
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 Sbjct: 661 tggttgcagcagatccttgagttttgaacctgacgggcaaatcagagcttcttctcatg 720

Query: 944 gcagtcggtcaatgagagtgaggaccaagttcactggtctcctggccaagcccgacttca 1003
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 Sbjct: 721 gcagtcggtcaatgagagtgaggaccaagttcactggtctcctggccaagcccgacttca 780

Query: 1004 ggaccaaggcccatcatgggcttcgggcgacagtagcaacaaccacaaaccacgagagtg 1063
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 Sbjct: 781 ggaccaaggcccatcatgggcttcgggcgacagtagcaacaaccacaaaccacgagagtg 840

Query: 1064 gctggagatcgatttgggggagaaaaagaaaataacaggaattaggaccacaggatctac 1123
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 Sbjct: 841 gctggagatcgatttgggggagaaaaagaaaataacaggaattaggaccacaggatctac 900

Query: 1124 acagtcgaacttcaacttttatgttaagagttttgtgatgaacttcaaaaacaataatc 1183
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 Sbjct: 901 acagtcgaacttcaacttttatgttaagagttttgtgatgaacttcaaaaacaataatc 960

Query: 1184 taagtgaagacctataaaggaattgtgaataatgaagaaaagggtgtttcagggttaactc 1243
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 Sbjct: 961 taagtgaagacctataaaggaattgtgaataatgaagaaaagggtgtttcagggttaactc 1020

Query: 1244 taactttcgggacccagtgcaaaacaatttcacccctcccatcgtaggagatgatgtgcg 1303
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 Sbjct: 1021 taactttcgggacccagtgcaaaacaatttcacccctcccatcgtaggagatgatgtgcg 1080

Query: 1304 ggttgtccccagacatggcaccagaggatagccttgaagggtggagctcattggttgcca 1363
 |||||
 Sbjct: 1081 ggttgtccccagacatggcaccagaggatagccttgaagggtggagctcattggttgcca 1140

Query: 1364 gattacacaaggtaatgattcattggtgtggcgcaagacaagtc aaagcaccagtgtttc 1423
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 Sbjct: 1141 gattacacaaggtaatgattcattggtgtggcgcaagacaagtc aaagcaccagtgtttc 1200

Query: 1424 aactaagaaagaagatgagacaatcacaaggcccatcccctcggaagaaacatccacagg 1483
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 Sbjct: 1201 aactaagaaagaagatgagacaatcacaaggcccatcccctcggaagaaacatccacagg 1260

Query: 1484 aataaacattacaacggtggctattccattggtgtccttgttgcctggtgtttgctgg 1543

Sbjct: 1261 |||aataaacattacaacggtggctattccattggtgctccttgtgtcctggtgttgctgg 1320
 Query: 1544 aatgggggatctttgcagcctttagaagaagaagaagaaggaagtccgtatggatcagc 1603
 Sbjct: 1321 aatgggggatctttgcagcctttagaagaagaagaagaaggaagtccgtatggatcagc 1380
 Query: 1604 agaggctcagaaaacagactgttgaagcagattaaatatccctttgccagacatcagtc 1663
 Sbjct: 1381 ggaggctcagaaaacagactgttgaagcagattaaatatccctttgccagacatcagtc 1440
 Query: 1664 agctgagtttaccatcagctatgataatgagaaggagatgacacaaaagttagatctcat 1723
 Sbjct: 1441 agctgagtttaccatcagctatgataatgagaaggagatgacacaaaagttagatctcat 1500
 Query: 1724 cacaagtgatatggcagggttaactccgttgactgccaaaaatagcatccccaacgtgcagc 1783
 Sbjct: 1501 cacaagtgatatggcagggttaactccgttgactgccaaaaatagcatccccaacgtgcagc 1560
 Query: 1784 cctccgcatctatcagcaggttgccccggatggatctcagagatgaggatcggaacacca 1843
 Sbjct: 1561 cctccgcatctatcagcaggttgccccggatggatctcagagatgaggattggaacacca 1620
 Query: 1844 tgttctttccaccctaacaacaacaaagggcagtaaattaaagtactctttgtaaggta 1903
 Sbjct: 1621 tgttctttccaccctaacaacaacaaagggcagtaaattaaagtactctttgtaaggta 1680
 Query: 1904 cagttaccgattaatctagagataaaatatcttcttaaaaatatatttcattaaacacct 1963
 Sbjct: 1681 cagttaccgattaatctagagataaaatatcttcttaaaaatatatttcattaaacacct 1740
 Query: 1964 atgctgtctctat 1976
 Sbjct: 1741 atgctgtctctat 1753

NM_173674 versus Sequence 5

Length = 1620

Score = 3094 bits (1561), Expect = 0.0
 Identities = 1564/1565 (99%)
 Strand = Plus / Plus

Query: 181 tcctggctttgctgctcgcggtctccgccccgctccggctgcaggcgaggagctgggtg 240
 Sbjct: 56 tcctggctttgctgctcgcggtctccgccccgctccggctgcaggcgaggagctgggtg 115

Query: 241 atggctgtggacacctagtgacttatcaggatagtggcacaatgacatctaagaattatc 300
 |||||
 Sbjct: 116 atggctgtggacacctagtgacttatcaggatagtggcacaatgacatctaagaattatc 175

Query: 301 ccgggacctacccaatcacactgtttgcgaaaagacaattacagtaccaaaggggaaaa 360
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 Sbjct: 176 ccgggacctacccaatcacactgtttgcgaaaagacaattacagtaccaaaggggaaaa 235

Query: 361 gactgattctgaggttgggagatttggatatcgaatccagacctgtgcttctgactatc 420
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 Sbjct: 236 gactgattctgaggttgggagatttggatatcgaatccagacctgtgcttctgactatc 295

Query: 421 ttctcttcaccagctcttcagatcaatatggtccatactgtggaagtatgactgttccca 480
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 Sbjct: 296 ttctcttcaccagctcttcagatcaatatggtccatactgtggaagtatgactgttccca 355

Query: 481 aagaactcttgttgaacacaagtgaagtaaccgtccgctttgagagtgatccacattt 540
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 Sbjct: 356 aagaactcttgttgaacacaagtgaagtaaccgtccgctttgagagtgatccacattt 415

Query: 541 ctggccggggttttttgcgtgacctatgcgagcagcgaccatccagatttaataacatggt 600
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 Sbjct: 416 ctggccggggttttttgcgtgacctatgcgagcagcgaccatccagatttaataacatggt 475

Query: 601 tggaacgagctagccattatttgaagacagaatacagcaaattctgccagctgggtgta 660
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 Sbjct: 476 tggaacgagctagccattatttgaagacagaatacagcaaattctgccagctgggtgta 535

Query: 661 gagacgtagcaggagacatttctgggaatatggtagatggatatagagataacctctttat 720
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 Sbjct: 536 gagacgtagcaggagacatttctgggaatatggtagatggatatagagataacctctttat 595

Query: 721 tgtgcaaagctgccatccatgcaggaataattgctgatgaactaggtggccagatcagtg 780
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 Sbjct: 596 tgtgcaaagctgccatccatgcaggaataattgctgatgaactaggtggccagatcagtg 655

Query: 781 tgcttcagcgcaaagggatcagtcgatatgaagggattctggccaatgggtgttctttcga 840
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 Sbjct: 656 tgcttcagcgcaaagggatcagtcgatatgaagggattctggccaatgggtgttctttcga 715

Query: 841 gggatgggtccctgtcagacaagcgatttctgtttacctccaatgggtgcagcagatcct 900
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 Sbjct: 716 gggatgggtccctgtcagacaagcgatttctgtttacctccaatgggtgcagcagatcct 775

Query: 901 tgagttttgaacctgacgggcaaatacagagcttcttcctcatggcagtcggtcaatgaga 960
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 Sbjct: 776 tgagttttgaacctgacgggcaaatacagagcttcttcctcatggcagtcggtcaatgaga 835

Query: 961 gtggagaccaagttcactggtctcctggccaagcccgacttcaggaccaagggccatcat 1020
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 Sbjct: 836 gtggagaccaagttcactggtctcctggccaagcccgacttcaggaccaagggccatcat 895

Query: 1021 gggcttcgggacagtagcaacaaccacaaaccagagagtggttgagatcgatttgg 1080
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 Sbjct: 896 gggcttcgggacagtagcaacaaccacaaaccagagagtggttgagatcgatttgg 955

Query: 1081 gggagaaaaagaaaataacaggaattaggaccacaggatctacacagtcgaacttcaact 1140
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 Sbjct: 956 gggagaaaaagaaaataacaggaattaggaccacaggatctacacagtcgaacttcaact 1015

Query: 1141 tttatgttaagagttttgtgatgaacttcaaaaacaataattctaagtggagacctata 1200
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 Sbjct: 1016 tttatgttaagagttttgtgatgaacttcaaaaacaataattctaagtggagacctata 1075

Query: 1201 aaggaattgtgaataatgaagaaaagggttttcagggttaactctaactttcgggacccag 1260
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 Sbjct: 1076 aaggaattgtgaataatgaagaaaagggttttcagggttaactctaactttcgggacccag 1135

Query: 1261 tgcaaaacaatttcatccctcccatcggtggccagatatgtgctgggttgcctccagacat 1320
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 Sbjct: 1136 tgcaaaacaatttcatccctcccatcggtggccagatatgtgctgggttgcctccagacat 1195

Query: 1321 ggcaccagaggatagccttgaaggtggagctcattggttgccagattacacaaggtaatg 1380
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 Sbjct: 1196 ggcaccagaggatagccttgaaggtggagctcattggttgccagattacacaaggtaatg 1255

Query: 1381 attcattggtgtggcgcaagacaagtcaaagcaccagtggttcaactaagaaagaagatg 1440
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 Sbjct: 1256 attcattggtgtggcgcaagacaagtcaaagcaccagtggttcaactaagaaagaagatg 1315

Query: 1441 agacaatcacaggcccatccctcggaagaaacatccacaggaataaacattacaacgg 1500
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 Sbjct: 1316 agacaatcacaggcccatccctcggaagaaacatccacaggaataaacattacaacgg 1375

Query: 1501 tggctattccattggtgctccttgttgcctggtgttgcctggaatggggatcctttgcag 1560
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 Sbjct: 1376 tggctattccattggtgctccttgttgcctggtgttgcctggaatggggatcctttgcag 1435

Query: 1561 cctttagaaagaagaagaagaaggaagtcggtatggatcagcagaggctcagaaaacag 1620
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Sbjct: 1436 cctttagaagaagaagaagaaggaagtccgtatggatcagcggaggctcagaaaacag 1495

Query: 1621 actggttgaagcagattaaatatccctttgccagacatcagtcagctgagtttaccatca 1680
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Sbjct: 1496 actggttgaagcagattaaatatccctttgccagacatcagtcagctgagtttaccatca 1555

Query: 1681 gctatgataatgagaaggagatgacacaaaagttagatctcatcacaaagtgatatggcag 1740
|||||

Sbjct: 1556 gctatgataatgagaaggagatgacacaaaagttagatctcatcacaaagtgatatggcag 1615

Query: 1741 gttaa 1745

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Sbjct: 1616 gttaa 1620

NM_173674 versus Sequence 3 from Patent WO0129219
Length = 1761

Score = 3094 bits (1561), Expect = 0.0
Identities = 1564/1565 (99%)
Strand = Plus / Plus

Query: 181 tcctggctttgctgctcgcggtctccgccccgctccggctgcagggcggaggagctgggtg 240
|||||

Sbjct: 197 tcctggctttgctgctcgcggtctccgccccgctccggctgcagggcggaggagctgggtg 256

Query: 241 atggctgtggacacctaagtgactttatcaggatagtggcacaatgacatctaagaattatc 300
|||||

Sbjct: 257 atggctgtggacacctaagtgactttatcaggatagtggcacaatgacatctaagaattatc 316

Query: 301 ccgggacctaccccaatcacactgtttgcgaaaagacaattacagtaccaaaggggaaaa 360
|||||

Sbjct: 317 ccgggacctaccccaatcacactgtttgcgaaaagacaattacagtaccaaaggggaaaa 376

Query: 361 gactgattctgaggttgggagatttggatatcgaatccagacctgtgcttctgactatc 420
|||||

Sbjct: 377 gactgattctgaggttgggagatttggatatcgaatccagacctgtgcttctgactatc 436

Query: 421 ttctcttcaccagctcttcagatcaatatgggtccatactgtggaagtatgactgttccca 480
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Sbjct: 437 ttctcttcaccagctcttcagatcaatatgggtccatactgtggaagtatgactgttccca 496

Query: 481 aagaactcctgttgaacacaagtgaagtaaccgtccgctttgagagtggatccacattt 540
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Sbjct: 497 aagaactcctgttgaacacaagtgaagtaaccgtccgctttgagagtggatccacattt 556

Query: 541 ctggccggggttttttgcctgacatgagcagcgaccatccagatttaataacatgtt 600
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 Sbjct: 557 ctggccggggttttttgcctgacatgagcagcgaccatccagatttaataacatgtt 616

Query: 601 tggaacgagctagccattatttgaagacagaatacagcaaattctgccagctgggttga 660
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 Sbjct: 617 tggaacgagctagccattatttgaagacagaatacagcaaattctgccagctgggttga 676

Query: 661 gagacgtagcaggagacatttctgggaatatggtagatggatatagagataacctctttat 720
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 Sbjct: 677 gagacgtagcaggagacatttctgggaatatggtagatggatatagagataacctctttat 736

Query: 721 tgtgcaaagctgccatccatgcaggaataattgctgatgaactaggtggccagatcagt 780
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 Sbjct: 737 tgtgcaaagctgccatccatgcaggaataattgctgatgaactaggtggccagatcagt 796

Query: 781 tgcttcagcgcaaagggatcagtcgatatgaagggattctggccaatgggtgttctttcga 840
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 Sbjct: 797 tgcttcagcgcaaagggatcagtcgatatgaagggattctggccaatgggtgttctttcga 856

Query: 841 gggatgggtccctgtcagacaagcgatttctgtttacctccaatgggtgcagcagatcct 900
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 Sbjct: 857 gggatgggtccctgtcagacaagcgatttctgtttacctccaatgggtgcagcagatcct 916

Query: 901 tgagttttgaacctgacgggcaaatacagagcttcttctctcatggcagtcgggtcaatgaga 960
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 Sbjct: 917 tgagttttgaacctgacgggcaaatacagagcttcttctctcatggcagtcgggtcaatgaga 976

Query: 961 gtggagaccaagttcactgggtctcctggccaagcccgacttcaggaccaagggccatcat 1020
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 Sbjct: 977 gtggagaccaagttcactgggtctcctggccaagcccgacttcaggaccaagggccatcat 1036

Query: 1021 gggcttcgggacagtagcaacaaccacaaaccacgagagtggtggagatcgatttgg 1080
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 Sbjct: 1037 gggcttcgggacagtagcaacaaccacaaaccacgagagtggtggagatcgatttgg 1096

Query: 1081 gggagaaaaagaaaaataacaggaattaggaccacagatctacacagtcgaacttcaact 1140
 |||||
 Sbjct: 1097 gggagaaaaagaaaaataacaggaattaggaccacagatctacacagtcgaacttcaact 1156

Query: 1141 tttatgttaagagttttgtgatgaacttcaaaaacaataattctaagtgaagacctata 1200
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 Sbjct: 1157 tttatgttaagagttttgtgatgaacttcaaaaacaataattctaagtgaagacctata 1216

Query: 1201 aaggaattgtgaataatgaagaaaagggttttcagggttaactctaactttcgggaccag 1260
|||||

Sbjct: 1217 aaggaattgtgaataatgaagaaaagggttttcagggttaactctaactttcgggaccag 1276

Query: 1261 tgcaaaacaatttcacccctcccatcgtggccagatatgtgcgggttgccccagacat 1320
|||||

Sbjct: 1277 tgcaaaacaatttcacccctcccatcgtggccagatatgtgcgggttgccccagacat 1336

Query: 1321 ggcaccagaggatagccttgaagggtggagctcattggttgccagattacacaaggtaatg 1380
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Sbjct: 1337 ggcaccagaggatagccttgaagggtggagctcattggttgccagattacacaaggtaatg 1396

Query: 1381 attcattggtgtggcgcaagacaagtcaaagcaccagtgtttcaactaagaaagaagatg 1440
|||||

Sbjct: 1397 attcattggtgtggcgcaagacaagtcaaagcaccagtgtttcaactaagaaagaagatg 1456

Query: 1441 agacaatcacaggcccatcccctcggaagaaacatccacaggaataaacattacaacgg 1500
|||||

Sbjct: 1457 agacaatcacaggcccatcccctcggaagaaacatccacaggaataaacattacaacgg 1516

Query: 1501 tggctattccattggtgctccttgtgtcctgggtgttgcgtggaatggggatcctttgcag 1560
|||||

Sbjct: 1517 tggctattccattggtgctccttgtgtcctgggtgttgcgtggaatggggatcctttgcag 1576

Query: 1561 ccttttagaaagaagaagaagaaaggaagtccgtatggatcagcagaggctcagaaaacag 1620
|||||

Sbjct: 1577 ccttttagaaagaagaagaagaaaggaagtccgtatggatcagcggaggctcagaaaacag 1636

Query: 1621 actggtggaagcagattaaatatccctttgccagacatcagtcagctgagttaccatca 1680
|||||

Sbjct: 1637 actggtggaagcagattaaatatccctttgccagacatcagtcagctgagttaccatca 1696

Query: 1681 gctatgataatgagaaggagatgacacaaaagttagatctcatcacaaagtgatatggcag 1740
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Sbjct: 1697 gctatgataatgagaaggagatgacacaaaagttagatctcatcacaaagtgatatggcag 1756

Query: 1741 gttaa 1745
|||||

Sbjct: 1757 gttaa 1761

Score = 256 bits (129), Expect = 1e-65

Identities = 129/129 (100%)

Strand = Plus / Plus

Query: 1 ggcagcgactgcgccccgtcccgggcgccgcgctcgtccgcagaggaggcgccccggcccg 60
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Sbjct: 17 ggcagcgactgcgccccgtcccgggcgccgcgctcgtccgcagaggaggcgccccggcccg 76

Query: 61 ggcagctgcggctcgggatccgtcgaggggaggccgagcttgccaagctggcgcccagcg 120
|||||
Sbjct: 77 ggcagctgcggctcgggatccgtcgaggggaggccgagcttgccaagctggcgcccagcg 136

Query: 121 gggtcatgg 129
|||||
Sbjct: 137 gggtcatgg 145